

Ten Post Office Square
Boston, Massachusetts 02109
Telephone: (617) 542-2290
Telecopier: (617) 451-0313

Express Mail No: EM259608383US

Date: February 20, 1998

Attorney
Docket No.: CSDL1-453AX

First Named Inventor or
Application Identifier: Jonathan J.
Bernstein

Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith under 37 CFR § 1.53(b) for filing is the **patent application** of:

Inventor: Jonathan J. Bernstein

Entitled: **METHOD FOR FABRICATING A TUNNELING SENSOR WITH LINEAR FORCE REBALANCE**

[X] This is a Request for filing a [] **continuation** [X] **divisional** [] **continuation-in-part** application under § 1.53(b) of prior Application No. 08/694,333, filed August 8, 1996 entitled:

TUNNELING SENSOR WITH LINEAR FORCE REBALANCE AND METHOD FOR FABRICATING THE SAME

Enclosed are:

[X] 23 pages of written description, claims and Abstract, inclusive

[X] 6 sheets of informal drawings consisting of Figs. 1-12 (one set)

[X] Oath or Declaration

[] Newly executed (original or copy)

[X] Copy from prior application (37 CFR 1.63(d)) (for continuation/divisional).
The entire disclosure of the prior application, from which a copy of the oath
or declaration is supplied, is considered as being part of the disclosure of
the accompanying application and is hereby incorporated by reference therein.

[] To be filed later

[] Cover sheet and Assignment of the invention to:

[] Certified copy of a _____ application (if foreign priority is claimed)
with letter claiming priority under Rule 55

[X] Information Disclosure Statement with 12 citations. Copies of citations were submitted in
parent case.

[] Preliminary amendment is enclosed

[X] Return receipt postcard

[] Other:

[X] Verified statement was filed in prior application. Status still proper and desired.

TRANSMITTAL FORM FOR FILING PATENT APPLICATION (CONTINUED)

Attorney
Docket No.: CSDL1-453AX

- ☒ Priority is claimed under 35 USC § 120 as indicated on the attached sheet 4.
☐ Priority is claimed under 35 USC § 119(a)-(d) as indicated on the attached sheet 4.
☐ Priority is claimed under 35 USC § 119(e) as indicated on the attached sheet 4.

☐ _____ is hereby appointed Associate Attorney by:
 Registration No.:

 Attorney of Record:
 Registration No.:

- ☐ Power of Attorney in the originally-filed application has been granted to one or more of the registered attorneys listed below. The attorneys listed below not previously granted power in the originally-filed application, as well as _____, are hereby given associate power: _____ Registration No.:

Stanley M. Schurgin, Reg. No. 20,979
 Charles L. Gagnebin III, Reg. No. 25,467
 Paul J. Hayes, Reg. No. 28,307
 Victor B. Lebovici, Reg. No. 30,864

Eugene A. Feher, Reg. No. 33,171
 Beverly E. Hjorth, Reg. No. 32,033
 Holliday C. Heine, Reg. No. 34,346
 Gordon R. Moriarty, Reg. No. 38,973

- 1 ☒ Cancel in this application original claims 1-17 of the prior application before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
 2 ☐ Add in this application claims _____ per amendment before calculating the filing fee.

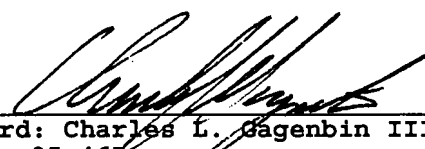
CLAIMS FILED:	MINUS BASE:	EXTRA CLAIMS:	RATE:	BASIC FEE:
				\$790.00
Independent	1 - 3	= 0	x \$82.00 =	-0-
Total	7 - 20	= 0	x \$22.00 =	-0-
<input type="checkbox"/> Multiple Dependent Claims (1st presentation)			+ \$270.00 =	-0-
SUBTOTAL FILING FEE				\$790.00
Small Entity filing, divide by 2. (Note: verified statement must be attached per \$1.9, \$1.27, \$1.28.)				\$395.00
TOTAL FILING FEE				\$395.00

- ☒ The filing fee has been calculated above, a check in the amount of \$395.00 is enclosed.
☐ The filing fee will be submitted at a later date.

TRANSMITTAL FORM FOR FILING PATENT APPLICATION (CONTINUED)

Attorney
Docket No.: CSDL1-453AX

- [X] In the event a Petition for Extension of Time under 37 CFR §1.17 is required by this paper and not otherwise provided, such Petition is hereby made and authorization is provided herewith to charge Deposit Account No. 23-0804 for the cost of such extension.
- [X] The Commissioner is hereby authorized to charge payment of any additional filing fees under 37 CFR §1.16 associated with this communication or credit any overpayment to Deposit Account No. 23-0804. Note, unless the adjacent box is X'd, no authorization is hereby given to charge additional fees under §1.16.



Attorney of Record: Charles L. Gagenbin III
Registration No.: 25,467

SUBMIT IN TRIPLICATE

TRANSMITTAL FORM FOR FILING PATENT APPLICATION (CONTINUED)

Attorney
Docket No.: CSDL1-453AX

- [X] Priority is claimed under 35 USC § 120 of prior Application No. 08/694,333, filed August 8, 1996, entitled:

TUNNELING SENSOR WITH LINEAR FORCE REBALANCE AND METHOD FOR FABRICATING THE SAME

- [X] The above-identified application is assigned of record to: THE CHARLES STARK DRAPER LABORATORY, INC

- [] Priority is claimed under 35 USC § 119(a)-(d) of the following application(s).

_____ (Application Number)	_____ (Country)	_____ (Filing Date)
_____ (Application Number)	_____ (Country)	_____ (Filing Date)
_____ (Application Number)	_____ (Country)	_____ (Filing Date)
_____ (Application Number)	_____ (Country)	_____ (Filing Date)

- [] The above-identified application(s) is/are assigned of record to:

- [] Priority is claimed under 35 USC § 119(e) of the following provisional application(s).

_____ (Application Number)	_____ (Filing Date)
_____ (Application Number)	_____ (Filing Date)
_____ (Application Number)	_____ (Filing Date)
_____ (Application Number)	_____ (Filing Date)

- [] The above-identified provisional application(s) is/are assigned of record to:

- [] The claim to small entity status in the above-identified provisional application(s) is made in this application and a copy of the Small Entity form(s) from the provisional application(s) is/are enclosed.

116604

WEINGARTEN, SCHURGIN, GAGNEBIN & HAYES LLP
Ten Post Office Square
Boston, Massachusetts 02109
Telephone: (617) 542-2290
Telecopier: (617) 451-0313

YES LLP

Sheet 2 of 4

Express Mail No: EM259608383US

Date: February 20, 1998

Attorney
Docket No.: CSDL1-453AXFirst Named Inventor or
Application Identifier: Jonathan J.
Bernstein

JC526 U.S. PTO

09/027234



02/20/98

BOX PATENT APPLICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith under 37 CFR § 1.53(b) for filing is the **patent application** of:

Inventor: Jonathan J. Bernstein

Entitled: **METHOD FOR FABRICATING A TUNNELING SENSOR WITH LINEAR FORCE REBALANCE**

- ☒ This is a Request for filing a ☐ **continuation** ☒ **divisional** ☐ **continuation-in-part** application under §1.53(b) of prior Application No. 08/694,333, filed August 8, 1996 entitled:

TUNNELING SENSOR WITH LINEAR FORCE REBALANCE AND METHOD FOR FABRICATING THE SAME

Enclosed are:

- ☒ 23 pages of written description, claims and Abstract, inclusive
- ☒ 6 sheets of informal drawings consisting of Figs. 1-12 (one set)
- ☒ Oath or Declaration
- ☐ Newly executed (original or copy)
- ☒ Copy from prior application (37 CFR 1.63(d)) (for continuation/divisional). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
- ☐ To be filed later
- ☐ Cover sheet and Assignment of the invention to:
- ☐ Certified copy of a _____ application (if foreign priority is claimed) with letter claiming priority under Rule 55
- ☒ Information Disclosure Statement with 12 citations. Copies of citations were submitted in parent case.
- ☐ Preliminary amendment is enclosed
- ☒ Return receipt postcard
- ☐ Other:
- ☒ Verified statement was filed in prior application. Status still proper and desired.

TRANSMITTAL FORM FOR FILING PATENT APPLICATION (CONTINUED)

Attorney
Docket No.: CSDL1-453AX

- [X] Priority is claimed under 35 USC § 120 as indicated on the attached sheet 4.
 [] Priority is claimed under 35 USC § 119(a)-(d) as indicated on the attached sheet 4.
 [] Priority is claimed under 35 USC § 119(e) as indicated on the attached sheet 4.

[] _____ is hereby appointed Associate Attorney by:
 Registration No.:

 Attorney of Record:
 Registration No.:

- [] **Power of Attorney** in the originally-filed application has been granted to one or more of the registered attorneys listed below. The attorneys listed below not previously granted power in the originally-filed application, as well as _____, are hereby given associate power: _____
 Registration No.:

Stanley M. Schurgin, Reg. No. 20,979
 Charles L. Gagnebin III, Reg. No. 25,467
 Paul J. Hayes, Reg. No. 28,307
 Victor B. Lebovici, Reg. No. 30,864

Eugene A. Feher, Reg. No. 33,171
 Beverly E. Hjorth, Reg. No. 32,033
 Holliday C. Heine, Reg. No. 34,346
 Gordon R. Moriarty, Reg. No. 38,973

1. [X] Cancel in this application original claims 1-17 of the prior application before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)
 2. [] Add in this application claims _____ per amendment before calculating the filing fee.

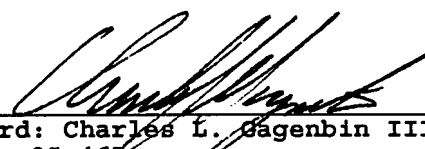
CLAIMS FILED:	MINUS BASE:	EXTRA CLAIMS:	RATE:	BASIC FEE:
				\$790.00
Independent	1 - 3	= 0	x \$82.00 =	-0-
Total	7 - 20	= 0	x \$22.00 =	-0-
[] Multiple Dependent Claims (1st presentation)			+ \$270.00 =	-0-
SUBTOTAL FILING FEE				\$790.00
Small Entity filing, divide by 2. (Note: verified statement must be attached per \$1.9, \$1.27, \$1.28.)				\$395.00
TOTAL FILING FEE				\$395.00

- [X] The filing fee has been calculated above; a check in the amount of \$395.00 is enclosed.
 [] The filing fee will be submitted at a later date.

TRANSMITTAL FORM FOR FILING PATENT APPLICATION (CONTINUED)

Attorney
Docket No.: CSDL1-453AX

- [X] In the event a Petition for Extension of Time under 37 CFR §1.17 is required by this paper and not otherwise provided, such Petition is hereby made and authorization is provided herewith to charge Deposit Account No. 23-0804 for the cost of such extension.
- [X] The Commissioner is hereby authorized to charge payment of any additional filing fees under 37 CFR §1.16 associated with this communication or credit any overpayment to Deposit Account No. 23-0804. Note, unless the adjacent box is X'd, no authorization is hereby given to charge additional fees under §1.16.



Attorney of Record: Charles L. Gagenbin III
Registration No.: 25,467

SUBMIT IN TRIPLICATE

TRANSMITTAL FORM FOR FILING PATENT APPLICATION (CONTINUED)

Attorney
Docket No.: CSDL1-453AX

- [X] Priority is claimed under 35 USC § 120 of prior Application
No. 08/694,333, filed August 8, 1996, entitled:

TUNNELING SENSOR WITH LINEAR FORCE REBALANCE AND METHOD FOR FABRICATING THE SAME

- [X] The above-identified application is assigned
of record to: THE CHARLES STARK DRAPER LABORATORY, INC

- [] Priority is claimed under 35 USC § 119(a)-(d) of the following application(s).

_____ (Application Number)	_____ (Country)	_____ (Filing Date)
_____ (Application Number)	_____ (Country)	_____ (Filing Date)
_____ (Application Number)	_____ (Country)	_____ (Filing Date)
_____ (Application Number)	_____ (Country)	_____ (Filing Date)

- [] The above-identified application(s) is/are assigned
of record to:

- [] Priority is claimed under 35 USC § 119(e) of the following provisional application(s).

_____ (Application Number)	_____ (Filing Date)
_____ (Application Number)	_____ (Filing Date)
_____ (Application Number)	_____ (Filing Date)
_____ (Application Number)	_____ (Filing Date)

- [] The above-identified provisional application(s) is/are assigned
of record to:

- [] The claim to small entity status in the above-identified provisional application(s)
is made in this application and a copy of the Small Entity form(s) from the
provisional application(s) is/are enclosed.

116604